

BRANCHED POLYMERIC SUGARS AND NUCLEOTIDES THEREOF

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] The present application is a U.S. national phase application of PCT/US2005/02522 filed January 26, 2005 and claims priority to U.S. Provisional Patent Application No. 60/539,387, filed January 26, 2004; U.S. Provisional Patent Application No. 60/555,504, filed March 22, 2004; U.S. Provisional Patent Application No. 60/590,573, filed July 23, 2004; U.S. Patent Application No. 10/997,405, filed November 24, 2004; PCT Patent Application No. PCT/US04/39712, filed November 24, 2004; U.S. Provisional Patent Application No. 60/544,411, filed February 12, 2004; U.S. Provisional Patent Application No. 60/546,631, filed February 20, 2004; U.S. Provisional Patent Application No. 60/570,891 filed May 12, 2004; U.S. Patent Application No. 11/033,365, filed January 10, 2005; PCT Patent Application No. PCT/US2005/00799, filed January 10, 2005; PCT Application No. PCT/US2004/40709, filed December 3, 2004; U.S. Provisional Patent Application No. 60/590,649, filed July 23, 2004; U.S. Provisional Patent Application No. 60/611,790, filed September 20, 2004; U.S. Provisional Patent Application No. 60/592,744, filed July 29, 2004; U.S. Provisional Patent Application No. 60/614,518, filed September 29, 2004; U.S. Provisional Patent Application No. 60/623,387, filed October 29, 2004; U.S. Provisional Patent Application No. 60/626,678, filed November 9, 2004; U.S. Provisional Patent Application No. 60/641,956, filed January 6, 2005; and U.S. Provisional Patent Application No. 60/643,347, filed January 10, 2005, the disclosures of which are incorporated herein by reference in their entirety for all purposes.

BACKGROUND OF THE INVENTION

Field of the Invention

[0002] The present invention resides in the field of modified sugars and nucleotides thereof.

Background

[0003] Post-expression *in vitro* modification of peptides is an attractive strategy to remedy the deficiencies of methods that rely on controlling glycosylation by engineering expression systems; including both modification of glycan structures or introduction of glycans at novel